

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b TYPE OF WELL

Oil ☒ GAS ☐ OTHER ☐

2 NAME OF OPERATOR

CHUSKA ENERGY COMPANY

3 ADDRESS OF OPERATOR

P. O. BOX 2118, FARMINGTON, NEW MEXICO 87499

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At well site 2140' ESL & 500' ETZ

At proposed prod zone

SAME

14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

10 DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT
(Also to nearest drilg unit line if any)

16 FO OF ALLEYS IN LEASE
5420

17 NO OF ACRES ASSIGNED
TO THIS WELL
40

14 DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL DRILLING COMPLETED
OR APPLIED FOR ON THIS LEASE FT

18 PROPOSED DEPTH
5875'

20 ROTARY OR CARPIS TOWERS
ROTARY

21 ELEVATIONS (Show whether DF, RT, GR, etc.)
4682' GR

22 APPROX DATE WORK WILL BE/INT*
December 20, 1985

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT LBS/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.50	80	
12 1/4	8 5/8	24.0	1600	See Attached
7 7/8	5 1/2	15.50	5875	

See Attached

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING

DATE 12/2/85
BY John P. B...
WELL SPACING. 23 (a)

RECEIVED

NOV 22 1985

DIVISION OF OIL
GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program if any.

SIGNED John Alexander TITLE Vice-President

DATE 11/18/85

(This space for Federal or State office use)

PERMIT NO

43-037-31228

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY

*See Instructions On Reverse Side

COMPANY CHUSKA ENERGY COMPANY

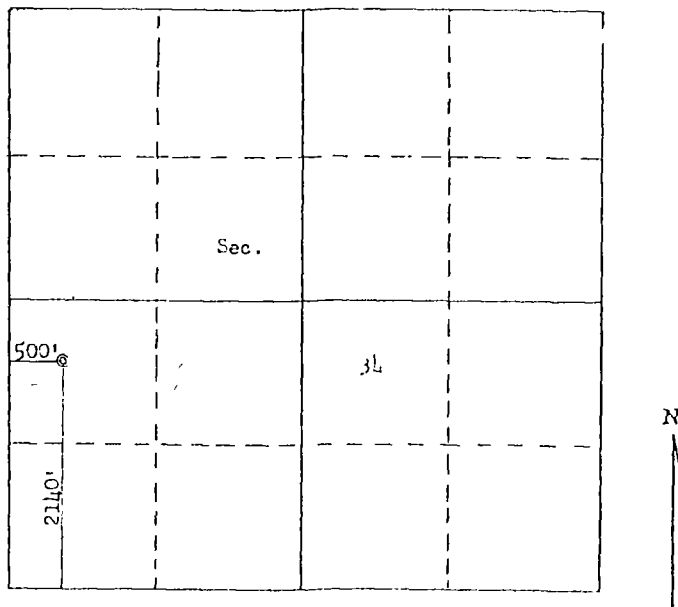
LEASE NAVAJO TRIBAL A WELL NO 23-34

SEC 34, T 40S, R 21E

County: San Juan State: N.M.

LOCATION 2140' ESL 500' FWL

ELEVATION 4682 ungraded ground



SCALE—1 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

REAL:

Fred H. Kery Jr.
Fred H. Kery Jr.
Registered Land Surveyor
#3959 N.M.

SURVEYED November 1, 1955

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY COMPANY
Navajo Tract "A" No. 13-34
2140' FSL & 500' FWL
Section 34, T40S, R24E
San Juan County, Utah

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

Chinle	1593'
DeChelly	2693'
Organ Rock	2863'
Hemlock	4636'
Upper Ismay	5454'
Lower Ismay	5566'
Desert Creek	5614'
T.D.	5875'

3. Estimated Depth of Anticipated Oil, Gas, Water or Minerals:

Oil	5642'
Oil	5732'

4. Proposed Casing Program:

0-80'	13 3/8", 54.5 lb./ft., ST & C J-55 new casing; cement with 120 cu. ft. Class "B" + 2% CaCl ₂ + 1/4 lb. celophane flakes per sack.
0-1600'	8 5/8", 24 lb./ft., ST & C K-55 new casing; cement with 800 cu. ft. 65-35 poz mix + 2% CaCl ₂ . Cement will be brought to surface.
0-5875' T.D.	5 1/2", 15.5 lb./ft., ST & C K-55 new casing; cement with 450 cu. ft. 65-35 poz mix + 2% CaCl ₂ + 10% salt + 0.8% fluid loss additive. Cement top at 4000'. Second stage above tool at 3000'. Cement with 400 cu. ft. Class "B", 4% gel. Cement top at 1500'.

5. Pressure Control Equipment - Blow out Preventor:

The attached schematic shows the type of blowout preventor to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe.

6. Drilling Fluids:

DEPTH	TYPE	VIS.	WEIGHT	FLUID USAGE
0-1600'	Gel-lime	35-45	9.0	Not controlled
1600-4000'	Gel-chem	35-45	9.5	15cc
4000-5875	Low solids	45-50	10.0	9cc

7. Auxiliary Equipment:

- Bit float
- Stabbing valve to be used in drill pipe when kelly is not connected.

8. Logging -- Coring -- Testing Program:

Logging - Open Hole: IES, CNL, FDC
Mud : 4000' to T.D.

Testing : Possible in Lower Ismay and Desert Creek

Coring : None planned

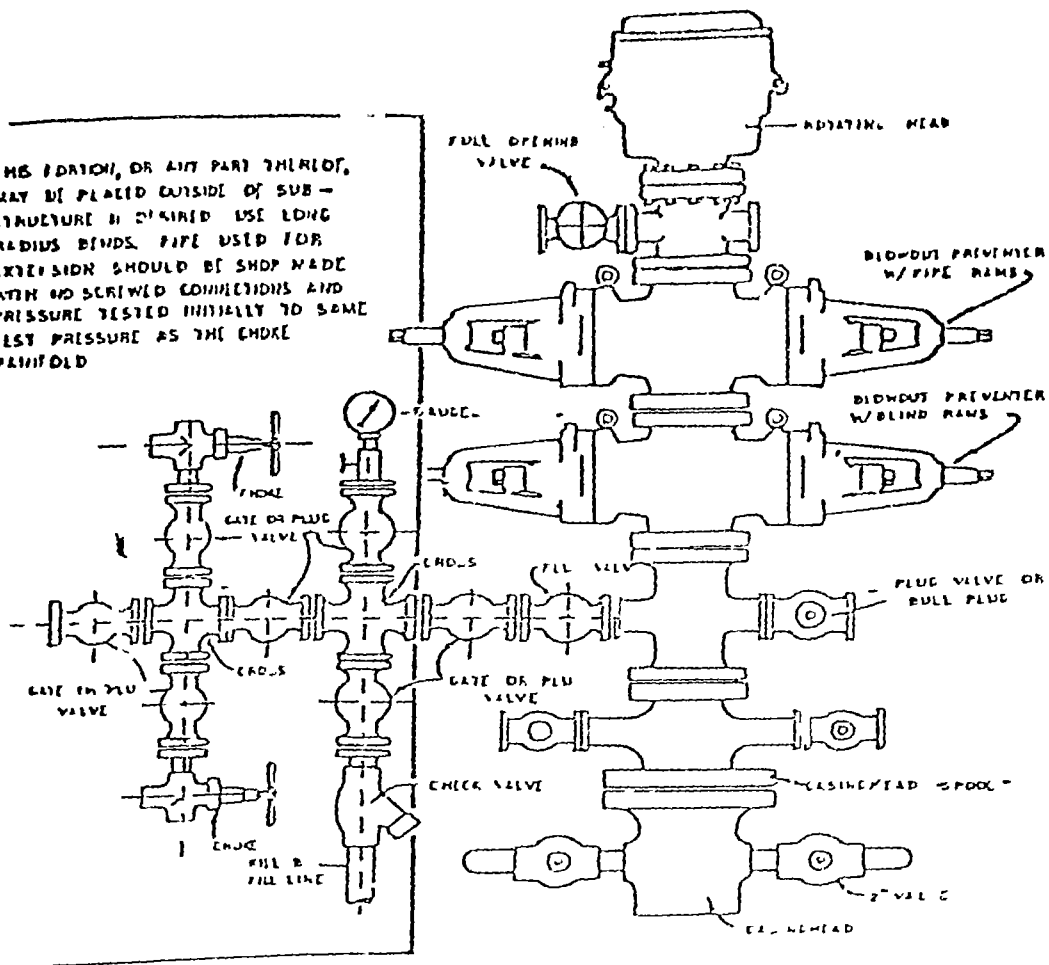
9. Abnormal Temperatures, Pressures or Potential Hazards:

None Expected.

10. Starting Date:

Anticipated starting date is December 20, 1985. Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SWEIRED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKER MANIFOLD.



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN

CHUSKA ENERGY COMPANY
Navajo Tribal "A" No. 13-34
2140' FSL & 500' FWL
Section 34, T40S, R24E
San Juan County, Utah

1. Existing Roads (shown in green):

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join a secondary road leading to an existing county dirt road. The county and secondary road will bear normal drilling traffic and not have to be upgraded.

2. Planned Access Road (shown in red):

The new access road will run South from the existing secondary road will cross the wellsite. Maximum grade will be 10%. Water bars will be used to prevent erosion.

3. Location of Existing Wells.

All existing oil, gas, water, drilling and disposal wells are shown on the attached topographic map.

4. Location of Tank Batteries, Prod. Facilities & Prod. Gathering & Service Lines:

All production facilities are to be contained within the proposed location site. The operation has no other facilities in the area. A 2 1/2" threaded and coupled, steel, 6000 psi test gas line will be laid in the new access road and will follow the existing road to a tie-in in NW/SW 34-40S-24E. This line will initially be layed on the surface and later buried.

5. Location and Type of Water Supply:

Water will be trucked from the San Juan River, 4 miles South of the location.

6. Source of Construction Materials:

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

7. Methods of Handling Waste Disposal:

All trash will be carried to a landfill or burned. All nonburnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, then backfilled with dirt prior to preparing the location for production or abandonment.

8. A portable chemical toilet will be supplied for human waste.

9. Ancillary Facilities:

No ancillary facilities are planned.

10. Well Site Layout:

The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.

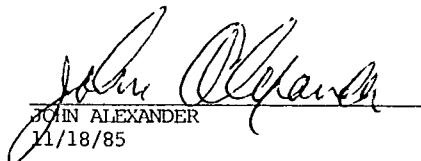
11. Plans for Restoration of Surface:

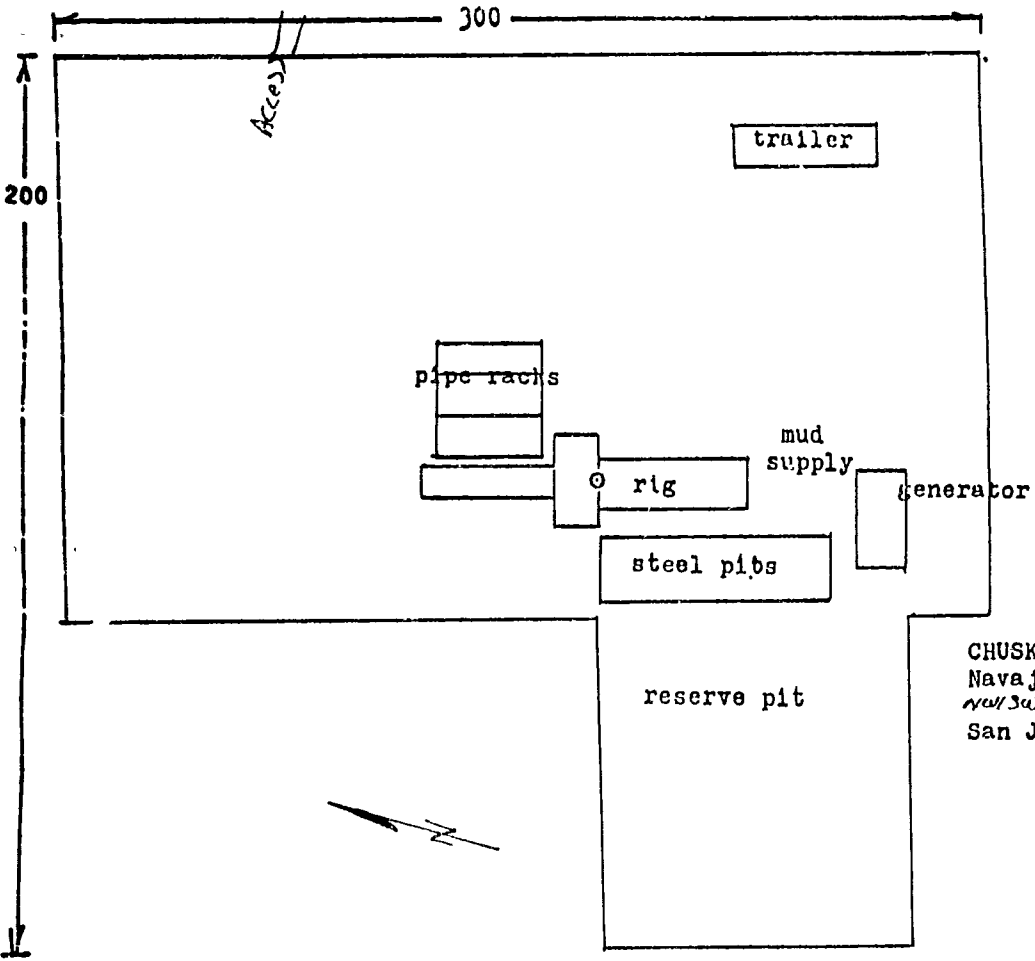
Restoration of the wellsite and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drillsite and road will have any topsoil replaced and will be reseeded when germination of seeds can take place. In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all nonburnable material and any chemicals that cannot be safely buried, and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

12. This location is approximately 4 miles North of the San Juan River. It is located on flat ground and covered with native weeds and grasses. No artifacts were found on the site. There are no residences in the area.

13. John Alexander
CHUSKA ENERGY COMPANY
P. O. Box 2118
Farmington, New Mexico 87499
(505) 326-5525

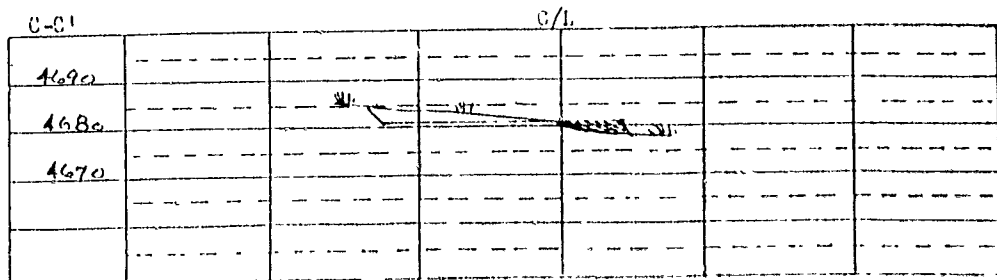
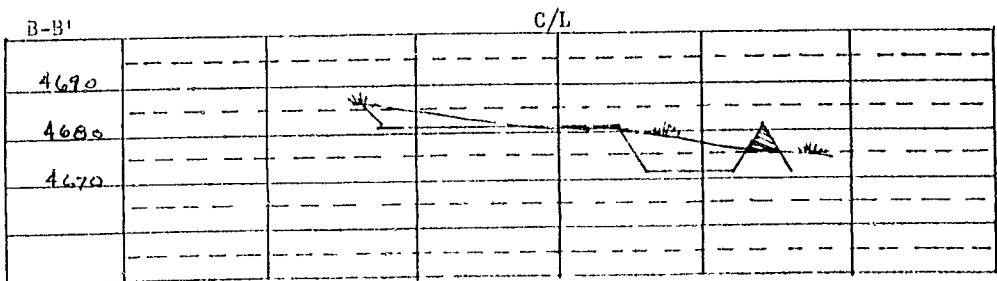
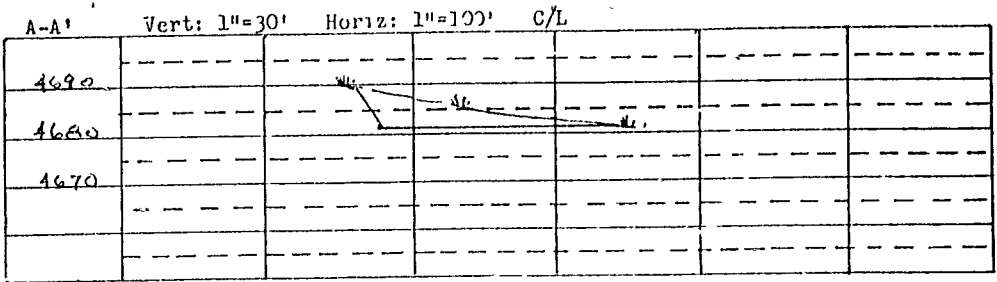
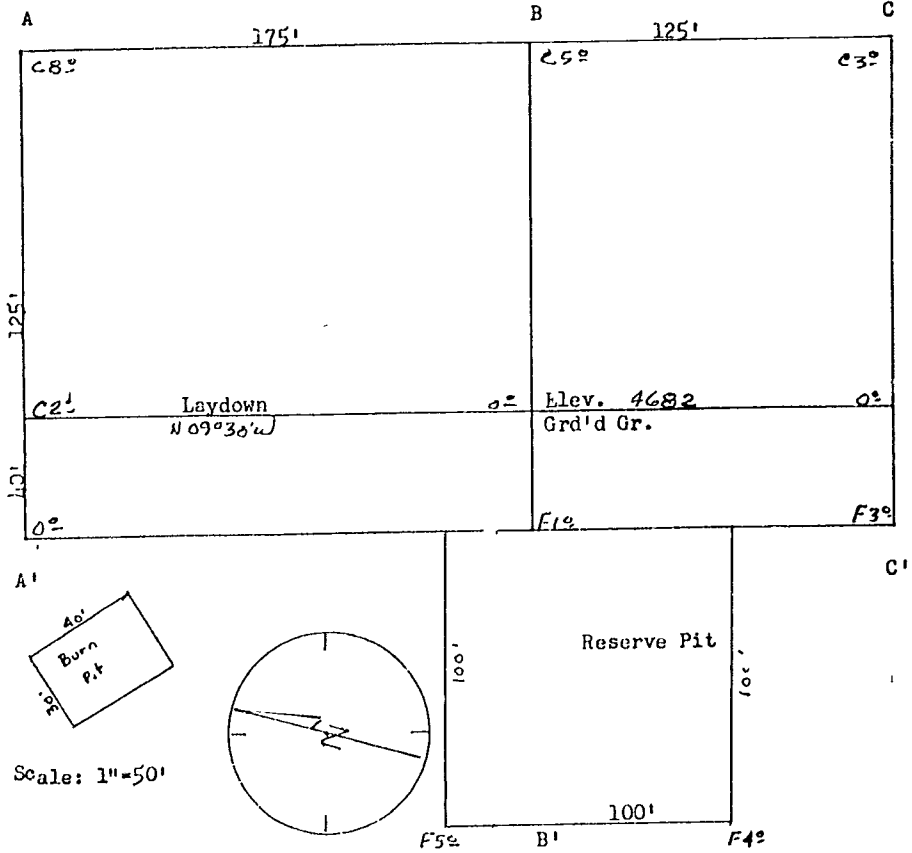
14. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chuska Energy Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


JOHN ALEXANDER
11/18/85



CHUSKA ENERGY CO.
Navajo Tribal / 7 NQ 13.34
NW/34 34-40S-24E
San Juan, Utah

Profile for
CHL ENERGY COMPANY #13-34 NAVAJO T8AL A
2140 FSL 500'FWL Sec. 34-T4OS-R24E
SAN JUAN COUNT^y, UTAH





Vicinity Map for
 CHUSKA ENERGY COMPANY #13-34 NAVAJO TRIBAL A
 2110' FSL 500' FWL Sec. 34-T4 S-R24E
 SAN JUAN COUNTY, UTAH

UTAH

OPERATOR Cohesion Energy Co DATE 11-27-85

WELL NAME Harjo Sub 'A' 13-34

SEC NW SW 34 T 40.5 R 24E COUNTY San Juan

41 037- 31228
API NUMBER

Indian
TYPE OF LEASE

CHECK OFF

☒ PLAT

☒ BOND

☒ NEAREST WELL

☒ LEASE

☒ FIELD

☒ POTASH OR
OIL SHALE

PROCESSING COMMENTS

Need water permit

APPROVAL LETTER

SPACING ☐ A-3 _____
UNIT

☐ C-3-a _____
CAUSE NO & DATE

☒ C-3-b

☐ C-3-c

STIPULATIONS

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangorlor Governor
Dee C. Hansen Executive Director
Dianne R. Nielson, Ph.D. Division Director

355 W. North Temple • 3rd Floor • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538 5340

December 2, 1985

Chuska Energy Company
P. O. Box 2118
Farmington, New Mexico 87499

Gentlemen:

Re: Well No. Navajo Tribal "A" 13-34 - NW SW Sec. 34, T. 40S, R. 24E
2140' FSL, 500' FWL - San Juan County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

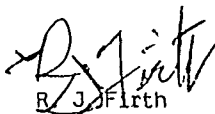
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Chuska Energy Company
Well No. Navajo Tribal "A" 13-34
December 2, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31228.

Sincerely,

A handwritten signature in dark ink, appearing to read 'R. J. Firth', is written over a printed name.

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
Bureau of Indian Affairs

Caller Service 4104
Farmington, New Mexico 87490

JAN 23 1987

Chuska Energy Company
c/o P.O. Box 2-11
Farmington, New Mexico 87490

Gentlemen:

Reference is made to your Applications for Permit to Drill (APDs) for the following wells:

- ✓ 1 No 32-18 Navajo Tribal, SW/4th E/4 sec 18, T 42 S, R 25 E, San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033
- ✓ 2 No 13-8 Navajo Tribal, NE/4th E/4 sec 8, T 42 S, R 25 E, San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033
- ✓ 3 No 41-13 Navajo Tribal, NE/4th E/4 sec 13, T 42 S, R 24 E, San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033
- ✓ 4 No 3323-24 Navajo Tribal "A", NE/4th E/4 sec 24, T 41 S, R 25 E, San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1037
- ✓ 5 No 33-30 Navajo Tribal "A", NE/4th E/4 sec 30, T 41 S, R 24 E, San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1037.
- 6 No 37-21 Navajo Tribal, SE/4th E/4 sec 21, T 40 S, R 25 E, San Juan County, Utah, on Navajo Operating Agreement NOG-8308-1033
- ✓ 7. No 33-34 Navajo Tribal "A", NE/4th E/4 sec 34, T 40 S, R 24 E, San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1037
- 8 No 44-29 Navajo Tribal "A", SE/4th E/4 sec 29, T 43 S, R 23 E, San Juan County, Utah, on Navajo Operating Agreement NOG-8505-1037

The subject deficient and unapproved APDs are hereby returned pursuant to 43 CFR 3160 Section III Part B2 of Interior Order No. 1, which states "If the deficiencies are not corrected and/or the additional required information is not submitted within 45 days of the date of any oral or written notice the application shall be returned to the proponent".

Sincerely,

~~for John L. Ruppel~~

Ron Fellows
Area Manager
FOR

B Enclosures

cc:
ADO (015)
Well files
FSH (liner)
3162.3-1

016:JLovato:csb:12/1/86



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangertler, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City UT 84180-1200 801-538-5340

RECEIVED
FEB 11 1987

February 2, 1987

DIVISION OF
OIL, GAS & MINING

Mr. John Keller
U. S. Bureau of Land Management
Caller Service 4104
Farmington, New Mexico 87499

RECEIVED

FEB 09 1987

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

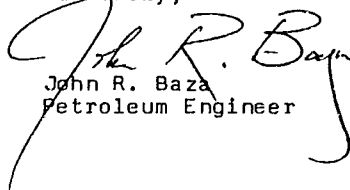
Dear Mr. Keller:

RE: Status of Approved Wells

The attached list of wells operated by Chuska Energy Company in San Juan County, Utah was given approval to drill from this office over one year ago. We have received no other information from the company to determine the current status of these wells. We request that you provide us information concerning whether these wells still have approvals pending with the U. S. Bureau of Land Management. A quick note beside the name of each of the wells on the attached list will be sufficient for our purposes.

Thank you for your prompt consideration of this matter. We appreciate any assistance you can provide us.

Sincerely,


John R. Baza
Petroleum Engineer

sb
Attachment
cc: D. R. Nielson
R. J. Firth
Well Files
0258T-89-90

Attachment
February 2, 1987

Chuska Energy Company
San Juan County, Utah
NOG 8308-1033:

Navajo Tribal 41-13 /
NE NE, Sec.13, T.42S, R.24E, Returned (See encl.)
API NO. 43-037-31222

Navajo Tribal 13-8 /
NW SW, Sec.8, T.42S, R.25E, Returned (See encl.)
API NO. 43-037-31223

Navajo Tribal 32-18 /
SW NE, Sec.18, T.42S, R.25E, Returned (See encl.)
API NO. 43-037-31229

NOG 8505-1087:

Navajo Tribal A 24-29
SE SW, Sec.29, T43S, R.25E, Approval rescinded 1/22/87 (See encl.)
API NO. 43-037-31195

Navajo Tribal A 23-24
NE SW, Sec.24, T.41S, R.23E, Need Archeological Clearance
API NO. 43-037-31216

Navajo Tribal A 33-30 /
NW SE, Sec.30, T.41S, R.24E, Returned (See encl.)
API NO. 43-037-31218

Navajo Tribal A 3325-24 /
NW SE, Sec.24, T.41S, R.25E, Returned (See encl.)
API NO. 43-037-31219

Navajo Tribal A 13-34 /
NW SW, Sec.34, T.40S, R.24E, Returned (See encl.)
API NO. 43-037-31228



STATE OF UTAH
NATURAL RESOURCES
Oil Gas & Mining

Norman H. Bangerter Governor
Dee C. Hansen Executive Director
Dianne R. Nielson Ph.D. Division Director

355 W. North Temple 3 Triad Center Suite 350 Salt Lake City UT 84180 1203 801 538 5340

021907

February 18, 1987

Chuska Energy Company
P O Box 2118
Farmington, New Mexico 87499


Gentlemen

RE Well No Navajo Tribal A 13-34, Sec 34, T 40S, R 24E,
San Juan County, Utah, API NO 43-037-31228

In concert with action taken by the U S Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

sb
cc BLM-Farmington
D R Nielson
R J Firth
Well file
0327T-54

870223